

- 1) Normal Ovary 2) Tumor
- 3) Normal Ovary 4) Tumor

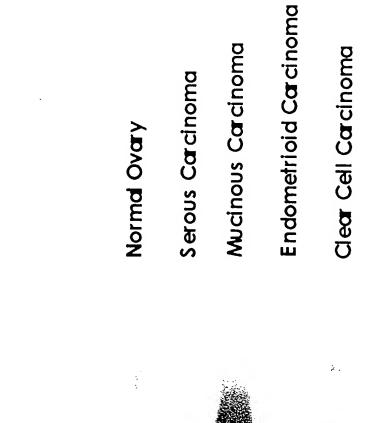


Fig. 2A

1.4kb

FETAL

Brain Lung Liver Kidney



ADULT

Spleen
Thymus
Prostate
Testes
Ovary
Small Intestine
Colon
P.B. Leukocyte*

← TADG14



C

* P.B.: Peripheral Blood

Heart Brain Placenta Lung Liver Skeletal Muscle Kidney

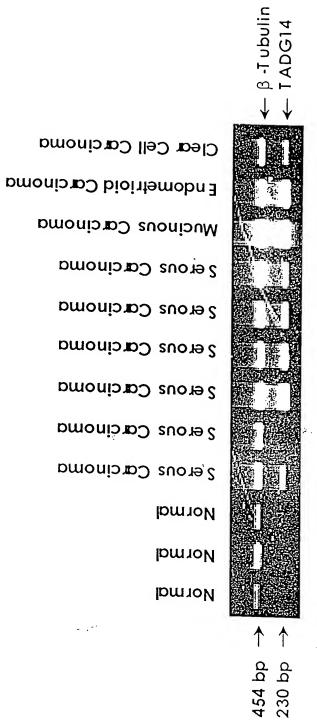
← TADG14



catalytic activity for Ø oxyanion hole Conserved amino acids of catalytic triad H, Possible N - linked glycosylation site of an Conserved nt of catalytic triad Secretion signal sequence Kozak's Consepsus sequence aa reguired for formatioh Poly - adenylation signal 11 H NSS

4 4 7 7 8 8 2 2 0 0 0	1000 1000 830	142 141 141 127	192 191 191 175	2 2 4 2 2 4 4 2 2 4 4 0 2 4 4 0 5 2 5 5 5	2 2 2 2 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4
OHSOPWOAAL KHSOPWOVLV PHSOPWOAAL PHSOPWOAAL KTSHPYOAAL	DENTAÕFVHV PEDTGOVFQV RDQPEOEIQV KDGPEOEIPV RESSQEQSSV	ITDAVKVVEL ITDAVKVMDL IGDKVKPVQL LGSKVKPISL ISELIQPLPL	DECEKAHVQK DVCAQVHPQK NKGERAYPGK KKGEDAYPGQ EEGEHAYPGQ	VPCGTPNKPS EPCALPERPS DPCGKPEKPG DPCGRSDKPG IPCGSKEKPG	
SRINGGWEGE SRIVGGWEGE SKILEGREGI DKVLGGHEGO NKLMHGGPED	LWEGRHNLFD ILLGRHSLFH WREGDHSLOS WREGDHSLON WFEGKHNERQ	GERETEPADT GERESEPAE. GIREQUSAN. GEOGERDOAS. GEOGREPAK.	OGVDLKÆLPN OGVDLHVISN NGÆEVKÆYSQ NGÆEVKÆFPQ OGØYIHLVSR	VLOGVTSWGY VLOGETTSWGS MEQGETSWGS ALOGGETSWGS ALOGGETSWGS	9 10 11
GGTGAAPPIQ TWIGAAPLIL AWAGLTRAQG AWAGHSRAQE	AAHCISDNEO AAHCIRNKSV AAHCKKOKYS AAHCKK PKYT AAHCKK PKYT	ADEDYSHDEM PGDDSSHDEM NPEDHSHDIM DVEDHNHDEM DAASHDODIM	SERBDE LTBKKE NEBNET NEBOTE OFFE	DSGGPLWCDG DSGGPLWGNG DSGGPLWGDG DSGGPLWGDG	SEQ ID NO: Fig. 3B
FLWLCDAESL VPVVFLTLSV PWILDBEFMG TWMFDBEFGG LWKVESEIAA	IEWHROWNER WEVHPOWNER VILVGDRWNER VLIMBGRWWER	MSLLENHTRQ MSLLKNRFLR NS SS	GLASGWGSIE GYASGWGSIE GIISGWGTVT CTVSGWGTVT GHILGWGKTA	LEGGKDTCVG WTGGKSTGSG SN.GADTGOG SK.GADTGOG SK.GADTGOG	WIEDFIAENS WIKKTMDNRD WIKKIIGSKG WICKTIGSKG
~~~~~~~~MW ~~~~~~~~MW MGRPPPCAIQ MGRPRPRAAK	YHFSTFQGGG ASRGRAVGGG FQGERLIGGG FQGQQELGGG	SESFPHEGEN SHSFPHFLYD AQSIQHPCYN VQSIRHPCYN VRAVIHRDY.	PTQEPEVGST PTQEBALGTT ANLGPKVGQK ADHCTQPGQK ERDGSANTTS	VTDFMLCVGH VTKFMLCAGR ITEGMVCAGS ITDGMVCAGS ITDGMVCAGS	VAVRVLSYVK LYTKWVHWRK VYTKICRYTT VXTNICRYLD VYTNICRYLD
hHk2 hPSA mNeur hTADG14 hProM	hHk2 hPSA mNeur hTADG14 hProM	hhk2 hPSA mNeur hTADG14 hProM	hHk2 hPSA mNeur hTADG14 hProM	hHk2 hPSA mNeur hTADG14 hProM	hHk2 hPSA mNeur hTADG14 hProM

250 AVIHPDY SIPHPCY IIRHPQY SFRHPGY	300 NTTSCHILGW PGQNCTVSGW TGTKCLISGW PGTTCTVSGW DGKICTVT <u>GW</u>	350 MLCAGDEKYG MVCAGSSK.G MFCVGFLEGG MLCAGIPDSK	
SSQEQSSVVR GPEQEIPVVQ GNEQFINAAK AQRIKASK	PLERDCSA SLADHCTQ SLPTAPPA RLPSRCEP CLPAAGQALV	TPGQITQN YPGQITDG YPGKITSN YKDLLENS	
LGKHNLRQRE LGDHSLQNKD LGEHNIEVLE LGSDTLGDRR VFAGAVAQAS	AKLSELIQPL ASLGSKVKPI AVINARVSTI ARLSSMVKKV LPLTEYIQPV	LVSREECEHA IFPQKKCEDA VLSQAKCEAS LISPQDCTKV IISNDVCNGA	L S & 4 2
PNLQVF PKYTVR SRIQVR NEYTVH ERNRVLSRWR	DIMLL QLRDQ DIMLI QLRDQ DIMLI KLSSR DLMLV KLNSQ DIMLV HLSSP	PDTIQCAYIH PDTLNCAEVK PDELQCLDAP PSDLMCVDVK AGVLQEARVP	SEQ ID No.
PRIMER WVLTAAHC KK WVVTAAHC KK WVVSAGHC YK WVLTAAHC KM	251DAASHDQ NSSDVEDHNHDRKTLNN STQTHVN	301 GKTADGDF GTVTSPRENF GNTASSGADY GTTTSPDVTF GWTQYYGQQ.	KDSCQ GDSGG ADTCQ GDSGG KDSCQ GDSGG KNACN GDSGG IDACQ GDSGG
201 Prom Tadg14 Try1 Scce Heps	Prom Tadg14 Try1 Scce Heps	Prom Tadg14 Try1 Scce Heps	Prom Tadg14 Try1 Scce Heps



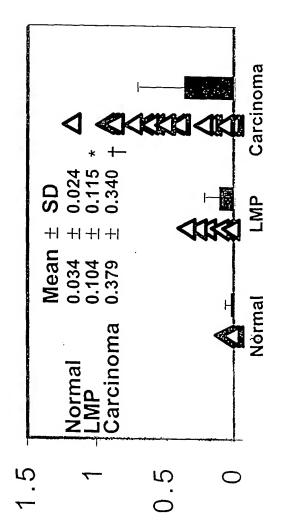
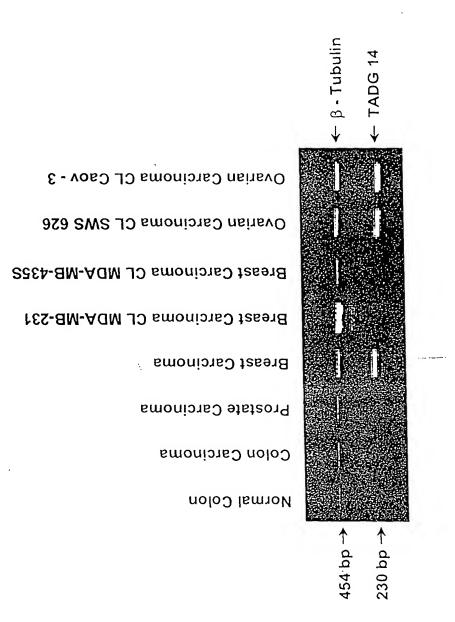
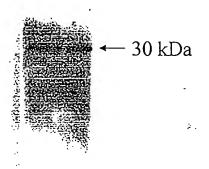


Fig. 5B



Pre-immune	Anti-		
Serum	TADG14		
435S HeLa	435S HeLa		



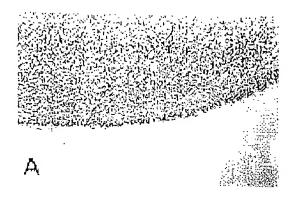


Fig. 8A

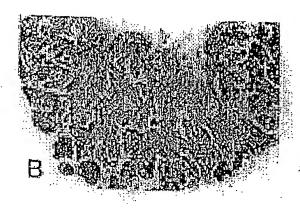


Fig. 8B

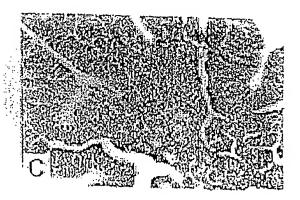


Fig. 8C

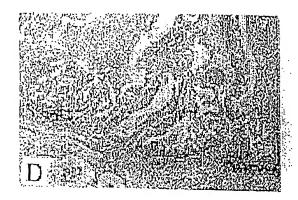


Fig. 8D

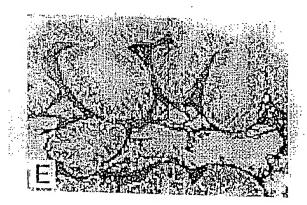


Fig. 8E

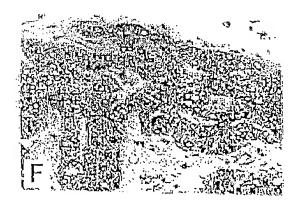


Fig. 8F

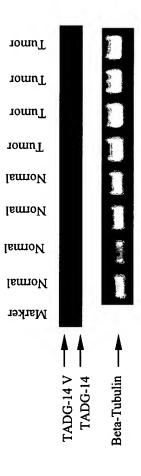


Fig. 9

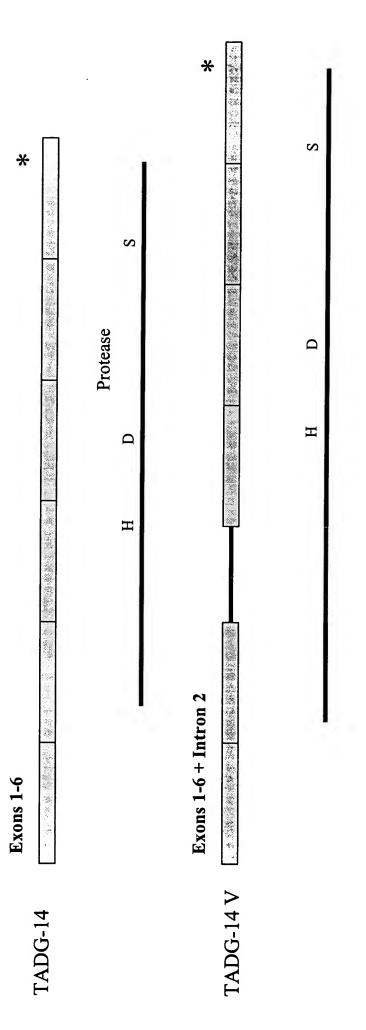


Fig. 10

LTKLYAENLP CVHLNPQWPS	SRAQEDKVLG GHECQPHSQP WQAALFQGQQ SRAQEDKVLG GHECQPHSQP WQAALFQGQQ	HSLQNKDGPE QEIPVVQSIP HSLQNKDGPE QEIPVVQSIP	VKPISLADHC TQPGQKCTVS VKPISLADHC TQPGQKCTVS	DAYPGQITDG MVCAGSSKGA DAYPGQITDG MVCAGSSKGA	SDKPGVYTNI CRYLDWIKKI SDKPGVYTNI CRYLDWIKKI	
LTKLY	СНЕСО СНЕСО	HSLQN	VKPIS VKPIS	DAYPG DAYPG	SDKPG SDKPG	
AWAAWAACGSLDL	SRAQEDKVLG SRAQEDKVLG	KPKYTVRLGD KPKYTVRLGD	LRDQASLGSK LRDQASLGSK	VKIFPQKKCE VKIFPQKKCE	TSWGSDPCGR TSWGSDPCGR	#
TWMFLLLLGG TWMFLLLLGG	SNPLPPAAGH	NWVLTAA <b>H</b> CK NWVLTAA <b>H</b> CK	ОНИН <b>О</b> ЕМЕТО ОНИН <b>О</b> ЕМЕТО	NFPDTLNCAE NFPDTLNCAE	LVCDGALQGI LVCDGALQGI	NO. 7) NO. 75) <b>Fig. 11</b>
MGRPRPRAAK MGRPRPRAAK	QPSHCPRGWR	LLCGGVLVGG	HPCYNSSDVE HPCYNSSDVE	GWGTVTSPRE GWGTVTSPRE	DTCQGD <b>S</b> GGP DTCQGD <b>S</b> GGP	IGSKG (SEQIDNO.7) IGSKG (SEQIDNO.75)
>	>	>	>	>	>	>
14 14	14	14	1 T 4	14 14	14 14	14
Tadg Tadg	Tadg Tadg	Tadg Tadg	Tadg Tadg	Tadg Tadg	Tadg Tadg	Tadg Tadg